

P21676.A01

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Sung MOON et al.

Serial No : Not Yet Assigned

Filed : Concurrently Herewith

For : THREE DIMENSIONAL CONICAL HORN ANTENNA COUPLED
IMAGE DETECTOR AND THE MANUFACTURING METHOD THEREOF

PRELIMINARY AMENDMENT

Commissioner of Patents and Trademarks
Washington, D.C. 20231

Sir:

Prior to calculation of the filing fees and the examination of the above-identified patent application on the merits, the Examiner is respectfully requested to amend the specification and claims as follows:

IN THE SPECIFICATION

Please amend the paragraph beginning on page 4, line 16 as follows (a marked-up copy of the amendments is provided as and Attachment to this Amendment):

FIGS. 9a - 9h and 10a - 10f show the manufacturing process diagram of the image detector coupled with three dimensional conical horn antenna according to the present invention.

IN THE CLAIMS

Please amend the claims as follows (a marked-up copy of the claim amendments is provided as an attachment to this Amendment):

5. (Amended-Clean Text) The method as claimed in claim 3, wherein the pattern size of said sacrificial layer is identical to the external diameter of the thermal isolation leg 60 of the image detector 40.

Please add new claim 8 as follows:

---8. The method as claimed in claim 4, wherein the pattern size of said sacrificial layer is identical to the external diameter of the thermal isolation leg 60 of the image detector 40.---


REMARKS

By the above amendment, the brief description of FIGS. 9a - 9h and 10a - 10f has been clarified, and claim 5 has been amended and claim 8 has been added to delete multiple dependency.

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If there should be any questions, the Examiner is invited to contact the undersigned
at the telephone number listed below.

Respectfully submitted,
Sung MOON et al.


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MARKED-UP COPY OF AMENDED SPECIFICATION

Paragraph beginning on page 4, line 16:

[FIG. 9a and FIG. 10f] FIGS. 9a - 9h and 10a - 10f show the manufacturing process diagram of the image detector coupled with three dimensional conical horn antenna according to the present invention.

MARKED-UP COPY OF AMENDED CLAIMS

5. (Amended) The method as claimed in claim 3 [or 4], wherein the pattern size of said sacrificial layer is identical to the external diameter of the thermal isolation leg 60 of the image detector 40.